

Regional HIV/AIDS Epidemiologic Profile of Dukes County, Massachusetts: FY 2008

Table 1. Total number of people reported with HIV infection or AIDS¹ by mortality status on December 31, 2007 Dukes County, Massachusetts

	N	%
People Living with HIV/AIDS	28	82%
People Reported with HIV or AIDS who are Deceased	6	18%
Total Number of People Reported with HIV Infection or AIDS	34	100%

¹ Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07¹: Dukes County, Massachusetts

Average annual HIV diagnosis rate from 2004–2006	Average Rate per 100,000	Average Number of HIV Diagnoses
Dukes County, MA	22 per 100,000	3
Massachusetts Total	13 per 100,000	857
Rate of people living with HIV/AIDS on 12/31/07	Rate per 100,000	Number of People Living with HIV/AIDS
Dukes County, MA	187 per 100,000	28
Massachusetts Total	267 per 100,000	16,977

¹ Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 3. People living with HIV/AIDS¹, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year²: 1999–2006, Dukes County, Massachusetts

Year	HIV/AIDS Prevalence	Deaths among those with HIV/AIDS	Diagnosis of HIV Infection
1999	10	1	3
2000	15	0	5
2001	15	0	0
2002	16	0	1
2003	17	0	1
2004	23	0	6
2005	24	0	1
2006	27	0	3

¹ Number of People living with HIV/AIDS on 12/31 of each year

² Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 4. People diagnosed with HIV infection from 2004–2006¹ and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Dukes County, Massachusetts

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	-- ⁶	-- ⁶	23	82%
Female	-- ⁶	-- ⁶	5	18%
Place of Birth:	N	%	N	%
US	9	90%	19	68%
Puerto Rico/US Dependency ²	0	0%	0	0%
Non-US	1	10%	9	32%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	6	60%	18	64%
Black (non-Hispanic)	-- ⁶	-- ⁶	5	18%
Hispanic	-- ⁶	-- ⁶	-- ⁶	-- ⁶
Other/Undetermined ³	-- ⁶	-- ⁶	-- ⁶	-- ⁶
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	7	70%	19	68%
Injection Drug Use (IDU)	0	0%	0	0%
MSM/IDU	0	0%	0	0%
Heterosexual Sex	2	20%	5	18%
Other	0	0%	0	0%
Total Undetermined	1	10%	4	14%
• Presumed Heterosexual Sex ⁴	1	10%	3	11%
• Undetermined ⁵	0	0%	1	4%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	0	0%	0	0%
13 to 19	0	0%	0	0%
20 to 24	0	0%	0	0%
25 to 29	1	10%	0	0%
30 to 34	2	20%	2	7%
35 to 39	1	10%	5	18%
40 to 44	2	20%	4	14%
45 to 49	2	20%	6	21%
50 to 54	0	0%	4	14%
55 to 59	1	10%	3	11%
60+	1	10%	4	14%
TOTAL	10	100%	28	100%

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

⁴ Heterosexual sex with partners with unknown risk and HIV status

⁵ Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up

⁶ Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Dukes County, Massachusetts

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	17	74%	-- ²	-- ²
Black Non-Hispanic	-- ²	-- ²	-- ²	-- ²
Hispanic	-- ²	-- ²	-- ²	-- ²
Other/Undetermined ¹	-- ²	-- ²	0	0%
Total	23	100%	5	100%

¹ Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

² Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Dukes County, Massachusetts

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	19	83%	N/A	N/A
Injection drug use (IDU)	0	0%	0	0%
MSM/IDU	0	0%	N/A	N/A
Heterosexual sex	3	13%	-- ²	-- ²
Other	0	0%	0	0%
Total Undetermined	1	4%	-- ²	-- ²
• Presumed heterosexual sex ¹	1	4%	-- ²	-- ²
• Undetermined ²	0	0%	-- ²	-- ²
Total	23	100%	5	100%

¹ Heterosexual sex with partners with unknown risk and HIV status

² Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Dukes County, Massachusetts, before 1999, 1999–2006¹

	Male		Female		Total
	N	%	N	%	
< 1999	-- ²	-- ²	-- ²	-- ²	13
1999	-- ²	-- ²	-- ²	-- ²	3
2000	-- ²	-- ²	-- ²	-- ²	5
2001	-- ²	-- ²	-- ²	-- ²	0
2002	-- ²	-- ²	-- ²	-- ²	1
2003	-- ²	-- ²	-- ²	-- ²	1
2004	-- ²	-- ²	-- ²	-- ²	6
2005	-- ²	-- ²	-- ²	-- ²	1
2006 ²	-- ²	-- ²	-- ²	-- ²	3

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Dukes County, Massachusetts, before 1999, 1999–2006¹

	White NH		Black NH		Hispanic		Other/ Undetermined ²		Total
	N	%	N	%	N	%	N	%	
< 1999	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	13
1999	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	3
2000	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	5
2001	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	0
2002	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	1
2003	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	1
2004	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	6
2005	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	1
2006 ³	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	-- ²	3

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Dukes County, Massachusetts, before 1999, 1999–2006¹

	US		Puerto Rico/ US Dependency ²		Non-US		Total
	N	%	N	%	N	%	
< 1999	11	85%	0	0%	2	15%	13
1999	3	100%	0	0%	0	0%	3
2000	1	20%	0	0%	4	80%	5
2001	0	0%	0	0%	0	0%	0
2002	0	0%	0	0%	1	100%	1
2003	0	0%	0	0%	1	100%	1
2004	5	83%	0	0%	1	17%	6
2005	1	100%	0	0%	0	0%	1
2006 ³	3	100%	0	0%	0	0%	3

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

³ 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Dukes County, Massachusetts, before 1999, 1999–2006¹

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX ²		Undeter- mined ³		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	9	69%	2	15%	0	0%	1	8%	0	0%	0	0%	1	8%	13
1999	3	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	3
2000	1	20%	0	0%	0	0%	2	40%	0	0%	1	20%	1	20%	5
2001	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0
2002	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
2003	0	0%	0	0%	0	0%	0	0%	0	0%	1	100%	0	0%	1
2004	4	67%	0	0%	0	0%	1	17%	0	0%	1	17%	0	0%	6
2005	1	100%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1
2006 ⁴	2	67%	0	0%	0	0%	1	33%	0	0%	0	0%	0	0%	3

¹ Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

² Heterosexual sex with partners with unknown risk and HIV status

³ Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

⁴ 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Dukes County, Massachusetts, 1999–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	0	3	0%
2000	2	5	40%
2001	0	0	0%
2002	0	1	0%
2003	0	1	0%
2004	0	6	0%
2005	0	1	0%
2006	1	3	33%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Dukes County, Massachusetts, 2004–2006¹

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Gender:	N	N	%
Male	1	8	13%
Female	0	2	0%
Race/Ethnicity:	N	N	%
White (non-Hispanic)	0	6	0%
Black (non-Hispanic)	0	2	0%
Hispanic	0	1	0%
Other/Undetermined ²	1	1	100%
Place of Birth:	N	N	%
US	1	9	11%
Puerto Rico/US Dependencies ³	0	0	0%
Non-US	0	1	0%
Total	1	10	10%

¹ Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

² Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

³ Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08